APPENDIX I

NATIONAL SCIENCE FOUNDATION
MATHEMATICAL SCIENCES POSTDOCTORAL RESEARCH
FELLOWSHIP APPLICATION

The deadline for submission to the NSF Research Fellowships Office is October 16. For more details, see page 3.

Information on All Application Materials Must be Typed or Printed.

NAME

_____
 Last   First   MI   Other Names Used

SOCIAL SECURITY NO. _____

MAILING ADDRESS for correspondence. It is imperative that you keep NSF informed of a current mailing address.
_____
_____

CURRENT ACADEMIC ADDRESS
_____
_____

CURRENT E-MAIL ADDRESS: _____

TELEPHONE NUMBERS:
At home: _____
At your institution: _____
FAX number: _____

CURRENT POSITION
Department _____
Institution _____
Type of Institution_____
Title of Position_____
Date this position started _____
Source of support _____

CITIZENSHIP (check one)
_US Citizen or National _Permanent Resident _Foreign National (give country: _____)
If you are a Permanent Resident you must provide your Permanent Resident Registration
Number: _____

HIGHEST DEGREE EARNED: _____ YEAR CONFERRED: _____

DOCTORAL DEGREE

Department and Institution_____

Date awarded or anticipated date of receipt _____

PROPOSED FELLOWSHIP INSTITUTION including department and address

_____
_____
_____

PROPOSED SPONSORING SCIENTIFIC ADVISOR OR MENTOR including title, e-mail
address, telephone and FAX numbers:

_____
_____
_____

(Telephone)   (FAX)

_____
_____

REFERENCES (do not use your mentor)

	Name	Department	Institution	Phone

Ph.D Advisor_____

    2. _____

    3. _____

    4. _____

EXPECTED STARTING DATE OF FELLOWSHIP: _____
                                          Month, year

DURATION OF TENURE: _____
                       # of months

OTHER SUPPORT

Have you ever applied for any other fellowships or similar appointments for all or part of the
tenure herein requested? _____

If so, name of agency and program _____

Have you ever received any NSF postdoctoral fellowship? _____

If yes, when and from what program? _____

BRIEF TITLE of your proposed research or field of study:

1. Provide two-digit classification of your proposed research according to the classification
system on page 7:

Primary code _____ Secondary areas _____ _____ _____

2. It is normally desirable to select an institution different from where you received your doctoral
degree or where you are currently employed; please provide justification (on separate sheet) if
your proposed fellowship institution is the same as either of the above. It is not necessary to
provide justification if you have been currently employed at your proposed fellowship institution
for less than one year and it is not where you received your doctoral degree; if that is the case,
please check here: _____

3. Do you plan to use the Fellowship for 18 academic months full-time? ____

or the Instructorship for 9 months full-time and 18 months half-time? ____

If half-time, have you secured a suitable commitment for a teaching position at your host institution? ____ Yes ____ No

4. Specify the area of mathematical science (pure mathematics, applied mathematics, statistics):

_____

I have read the program announcement in detail and have noted its conditions.

Signature of applicant_____
Date_____

THIS APPLICATION IS NOT COMPLETE WITHOUT THE ABOVE SIGNATURE.

RETURN TO:

NSF MATHEMATICAL SCIENCES POSTDOCTORAL RESEARCH FELLOWSHIPS
C/O AMERICAN MATHEMATICAL SOCIETY
P. O. BOX 6248, PROVIDENCE, RHODE ISLAND 02940
STREET ADDRESS: 201 Charles Street, Providence, RI 02904

00 General	16 Associative rings and algebras
01 History and biography	17 Nonassociative rings and algebras
03 Logic and foundations	18 Category theory, homological algebra
04 Set theory	19 K-theory
05 Combinatorics	20 Group theory and generalizations
06 Order, lattices, ordered algebraic structures	22 Topological groups, Lie groups
08 General mathematical systems	26 Real functions
11 Number theory	28 Measure and integration
12 Field theory and polynomials	30 Functions of a complex variable
13 Commutative rings and algebras	31 Potential theory
14 Algebraic geometry	32 Several complex variables and analytic spaces
15 Linear and multilinear algebra, matrix theory	33 Special functions
	34 Ordinary differential equations

35 Partial differential equations
39 Finite differences and functional equations
40 Sequences, series, summability
41 Approximations and expansions
42 Fourier analysis
43 Abstract harmonic analysis
44 Integral transforms, operational calculus
45 Integral equations
46 Functional analysis
47 Operator theory
49 Calculus of variations, optimal control
51 Geometry
52 Convex and discrete geometry
53 Differential geometry
54 General topology
55 Algebraic topology
57 Manifolds and cell complexes
58 Global analysis, analysis on manifolds
60 Probability theory and stochastic processes

62 Statistics
65 Numerical analysis
68 Computer science
70 Mechanics of particles and systems
73 Mechanics of solids
76 Fluid mechanics
78 Optics, electromagnetic theory
80 Classical thermodynamics, heat transfer
81 Quantum theory
82 Statistical mechanics, structure of matter
83 Relativity and gravitational theory
85 Astronomy and astrophysics
86 Geophysics
90 Economics, operations research, programming, games
92 Biology and other natural sciences, behavioral sciences
93 Systems theory, control
94 Information and communication, circuits

Submission of SSN and other personal data is voluntary and will not affect the individual's eligibility for an award. However, they are an integral part of the NSF information system and assist in processing proposals. SSN solicited under NSF Act of 1950, as amended.

Classifications are requested mainly for the purpose of matching your application to review panel members who can best evaluate your proposed research. Therefore, it is important that you supply a primary and at least one secondary classification. If no classification exactly matches your research field, please provide the ones that are best for the above purpose.

NOTE: It is the applicant's responsibility to ensure that the reference letters requested (see page X) are received no later than October 16th.

APPENDIX II--NSF Form 1225
(Please refer to Grant Proposal Guide--NSF 98-2)

NATIONAL SCIENCE FOUNDATION
Recommendation for Postdoctoral Fellowship

_____ has applied for a Mathematical Sciences Postdoctoral Research Fellowship, and has given your name as a reference. Along with this form, the applicant will have provided you with a statement of his or her proposed research. Please give your evaluation of the applicant, with reference to the following aspects of his or her development: (a) the significance of the applicant's research to date; (b) evidence of originality or imagination in the applicant's work to date; (c) the significance of the proposed research; and, (d) where applicable, the potential of the applicant's contributions to the Foundation's education and human resource goals. Attach continuation sheets as necessary. **You should be aware that standard letters composed specifically for teaching positions may not be appropriate for this Fellowship application.**

Previous panels have suggested that it would be useful to have comparisons of applicants with other individuals at the early stages of their careers.

It is necessary that one of the two alternatives below be checked.
A ___   My identity and this report must be held in confidence.
B ___   This report may be released on request.

If statement A is checked, the Foundation will honor this request
to the extent permitted by law.

PLEASE PRINT

_____
       Title, Department and Institutional Affiliation

_____
Last Name, First   Signature

Receipt no later than October 16th

   NSF Mathematical Sciences Postdoctoral Research Fellowships
          c/o American Mathematical Society
               P. O. Box 6248
             Providence, RI 02940
   Street Address: 201 Charles Street, Providence, RI 02904

If circumstances require FAXing this recommendation for the application package to be complete in the AMS offices by October 16, FAX to: (401) 455-4004.

APPENDIX   IV

NATIONAL SCIENCE FOUNDATION
Recommendation by Host Scientist for Postdoctoral Fellowship

_____ has applied for a Mathematical Sciences Postdoctoral Research Fellowship, and has stated that you have agreed to be the senior scientist with whom the applicant plans to work. Along with this form, the applicant will have provided you with a statement of his or her proposed research. Please give your evaluation of the applicant with reference to the following aspects of his or her development: (a) the significance of the applicant's research to date; (b) evidence of originality or imagination in the applicant's work to date; (c) the significance of the proposed research; and (d) where applicable, the potential of the applicant's contributions to the Foundation's education and human resource goals. Please also indicate your agreement to work with the applicant if the award is made, describe what role you will play in the professional development of the applicant, and comment on the opportunities for training and research at your institution that will be of particular benefit to the applicant. Attach continuation sheets as necessary. **You should be aware that standard letters composed specifically for teaching positions may not be appropriate for this Fellowship application.**

Previous panels have suggested that it would be useful to have comparisons of applications with other individuals at the early stages of their careers.

It is necessary that one of the two alternatives below be checked.
A ___ My identity and this report must be held in confidence.
B ___ This report may be released on request.

If statement A is checked, the Foundation will honor this request to the extent permitted by law.

PLEASE PRINT
_____
    Title, Department, and Institutional Affiliation

_____
Last Name, First   Signature

Receipt no later than October 16th.

  NSF Mathematical Sciences Postdoctoral Research Fellowships
          c/o American Mathematical Society
              P. O. Box 6248
            Providence, RI 02940
  Street Address: 201 Charles Street, Providence, RI 02904

If circumstances require FAXing this recommendation for the application package to be complete in the AMS offices by October 16, FAX to: (401) 455-4004.

APPENDIX V

NATIONAL SCIENCE FOUNDATION

There are three certifications which, by law, must be made before the National Science Foundation can authorize funds for a fellowship award. These concern (l) controlled substances; (2) delinquency on Federal debt; and (3) debarment and suspension.

CERTIFICATIONS

I certify that:

1. I will not engage in unlawful manufacture, distribution, dispensing, possession or use of a controlled substance in the conduct of any activity with this fellowship award;

2. I am not delinquent on repayment of any Federal debt; and

3. To the best of my knowledge and belief:

    (a) I am not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;

    (b) I have not within a three-year period preceding my application been convicted of or had a civil judgment rendered against me for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

    (c) I am not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (3)(b) of this certification; and

    (d) I have not within a three-year period preceding this application had one or more public transactions (Federal, State or local) terminated for cause or default

_____

  Signature   Date